4-54

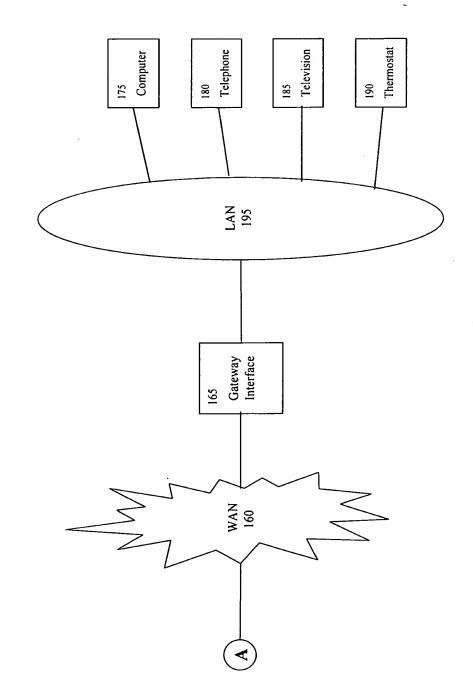


Figure 2

Table of Known Appliances

Appliance ID	Friendly Name	Browse URL	Image URL	Routing Address String	Heartbeat Counter	Leave Flag
10.1.1.2	Downstairs TV	Downstairs TV http://10.1.1.2/DownstairsTVResources.html	http://10.1.1.2//TV.gif	MediaRouter/UDP/IP	9	0
10.1.1.5	Den PC	http://10.1.1.5/ /DenPC.html	http//10.1.1.5/ /PC.gif	MediaRouter/TCP/IP	5	0

FIGURE 3a

Table of Resources On An Appliance

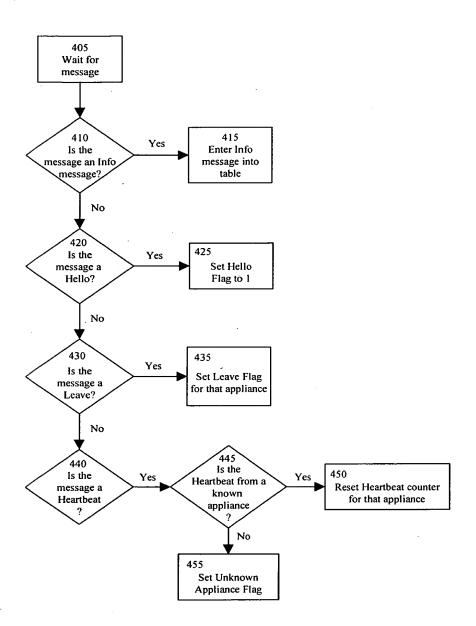
Resource Name	Resource Image URL	Configure URL	Content Type Address String
Monochrome Screen	http:// /monitor.gif	http:///monitor.html	RemoveColor/RemoteTarget (Screen)
Speaker	http:///monitor.gif	http:// /volume.html	Remote Target (Speaker)

FIGURE 3b

Table of Special Cases

Source Media	Special Address	
GIF	GIFtoJPEG/RemoteTarget (Screen)/MediaRouter/TCP/IP	

Figure 4



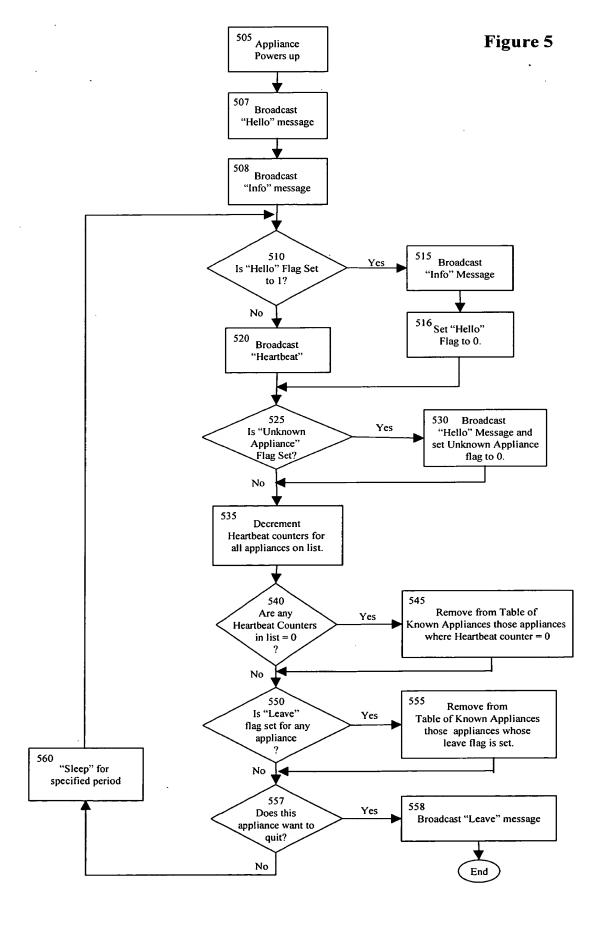


Figure 6

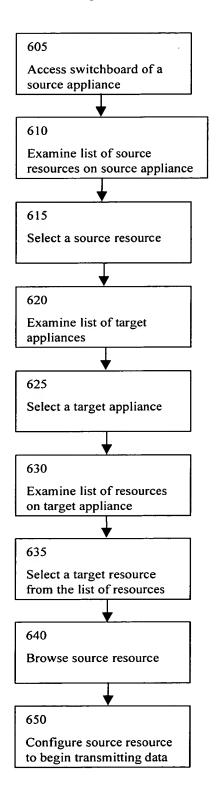


Figure 7

705 Build header containing at least the source content type and the destination appliance routing address string 710 Encapsulate content in header 712 Mapping algorithm on source appliance determines, using destination appliance routing address string, the series of conversion routines necessary to transmit the content to the destination appliance across the network. 714 Demux algorithm on source appliance effects the conversion of the content for transmission across the network 715 Transmit the encapsulated content across a network to the destination appliance 720 Destination appliance parses header and identifies the source content type from the information in the header 725 Mapping algorithm on destination appliance determines the destination content type and identifies the series of conversion routines to convert the source content type to the destination content type.

730

Demux algorithm on destination appliance effects the conversion of content from source type to target type

Figure 8

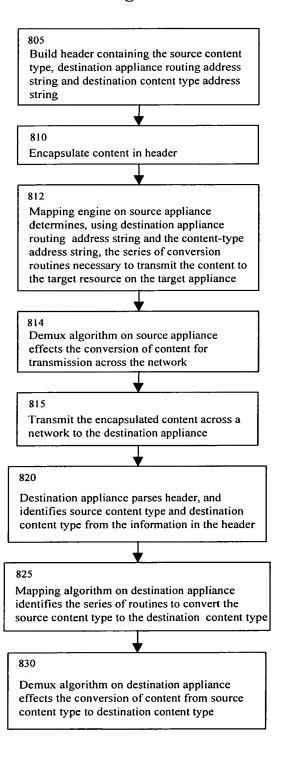
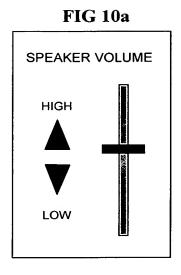
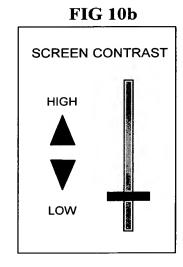


Figure 9B	Switchboard for Telephone 110	<u>Sources</u> <u>Targets</u>	Telephone Telephone Microphone Speaker Kevpad	Speaker Den PC	Screen Speaker Disk Drive	Microphone	Downstairs TV	Screen Speaker	Thermostat	Handheld Computer Monochrome Screen Speaker
Figure 9A	Switchboard for Computer 101	<u>Sources</u> <u>Targets</u>	Den PC CD Rom Screen Disk Drive Speaker	Mouse Disk Drive	Keyboard Telephone Microphone Speaker	Downstairs TV Screen	Speaker	Thermostat	Handheld Computer Monochrome Screen	Эреакет





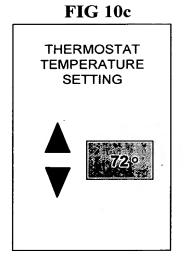


FIG 10d

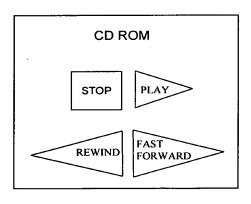


Figure 11

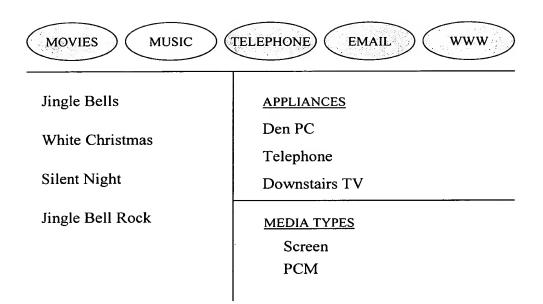


Figure 12a

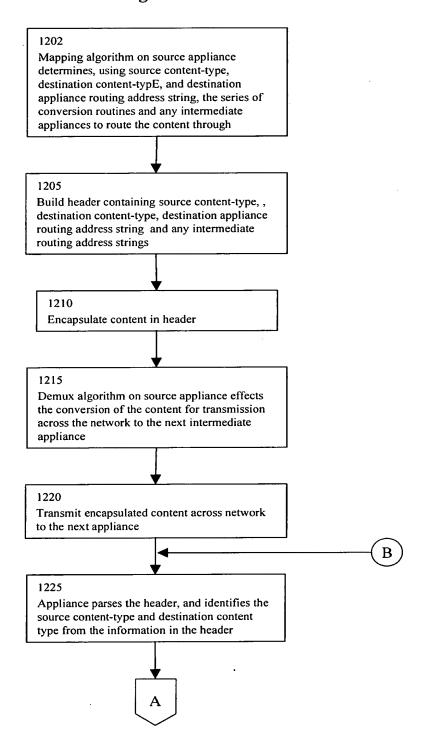


Figure 12b

